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VOL'FKOVICH, S.I.; KALACH, V.S.

Production of compound fertilizers by the fusion of urea and potassium phosphates. Khim. prom. 40 no.9:676-678 S '64. (MIRA 17:11)

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KOGAN, L.M.; RABOVSKAYA, N.S.; VOL'FKOVICH, S.I., akademik

Radiolysis of tetrachloroethylene and hexachlorobutadiene.
Dokl. AN SSSR 157 no.1:127-130 Jl '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova i Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy.

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LUK'YANOV, Pavel Mitrofanovich, doktor tekhn. nauk, prof.; VOL'FKOVICH, S.I., akademik, red.; GUSEVA, K.A., red.

[History of the chemical trade and chemical industry of Russia] Istoriia khimicheskikh promyslov i khimicheskoi promyshlennosti Rossii. Vol.6. 1965. 479 p. (MIRA 18:3)

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ACCESSION NR: AP5016223

AUTHOR: Vol'fkovich, S. I. (Chairman, Academician)

TITLE: The D. I. Mendeleyev Gold Medal

SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal, v. 10, no. 3, 1965, 331

TOPIC TAGS: chemical personnel, organic chemistry, organic phosphorus compound, organic sulfur compound, insecticide, alkylation

ABSTRACT: On 5 February 1965, at a joint session of the Presidium of the Academy of Sciences USSR and the All-Union Chemical Society im. D. I. Mendeleyev, Aleksandr Vasil'yevich Kirsanov, Academician of the Ukrainian Academy of Sciences, was awarded the Gold Medal im. D. I. Mendeleyev for distinguished work in the field of chemistry.

Kirsanov received this award for a series of studies on the chemistry of phosphorus and sulfur organic compounds. He discovered a number of re- [illegible] practical value, including the "phos-

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ACCESSION NR: AP5016223

phazo-reaction" method for preparing organophosphorus compounds containing a nitrogen—phosphorus double bond, which started the growth of a promising trend in the synthesis of organophosphorus compounds. Elucidation of the reaction mechanism of phosphazo reaction [illegible] aromatic carboxylic acid amines has made it possible to correct the inaccuracies tolerated in textbooks, and has made possible manuals on organic chemistry for [illegible] schools, and has made possible the correct orientation of further developments in this field.

Under Kirsanov's leadership, new agricultural systemic toxins were synthesized which are harmless for warm-blooded animals. In the period [illegible], State field tests were made of these insecticides, which were [illegible] the State Commission on Chemicals for [illegible] use in combating plant parasites.

On the basis of the phosphazo reaction, Kirsanov and his colleagues [illegible] synthesis of phosphorylated anilines. Among [illegible] were found

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At the request of industry, work was conducted under his leadership on the synthesis of organophosphorus complex compounds for extracting heavy metals.

Kirsanov directed the development of a process based on the reaction of direct alkylation of red phosphorus for obtaining trioctylphosphine oxides and other trialkylphosphine oxides from cheap and easily available mixtures of higher alcohols. Ethylphosphine oxides appear to be valuable complexing agents.

At the present time, Kirsanov is leading a large team of scientists, is conducting considerable work on training young scientific personnel, and [illegible] of the Ukrainian Academy of Sciences. Orig. art. has: [illegible]

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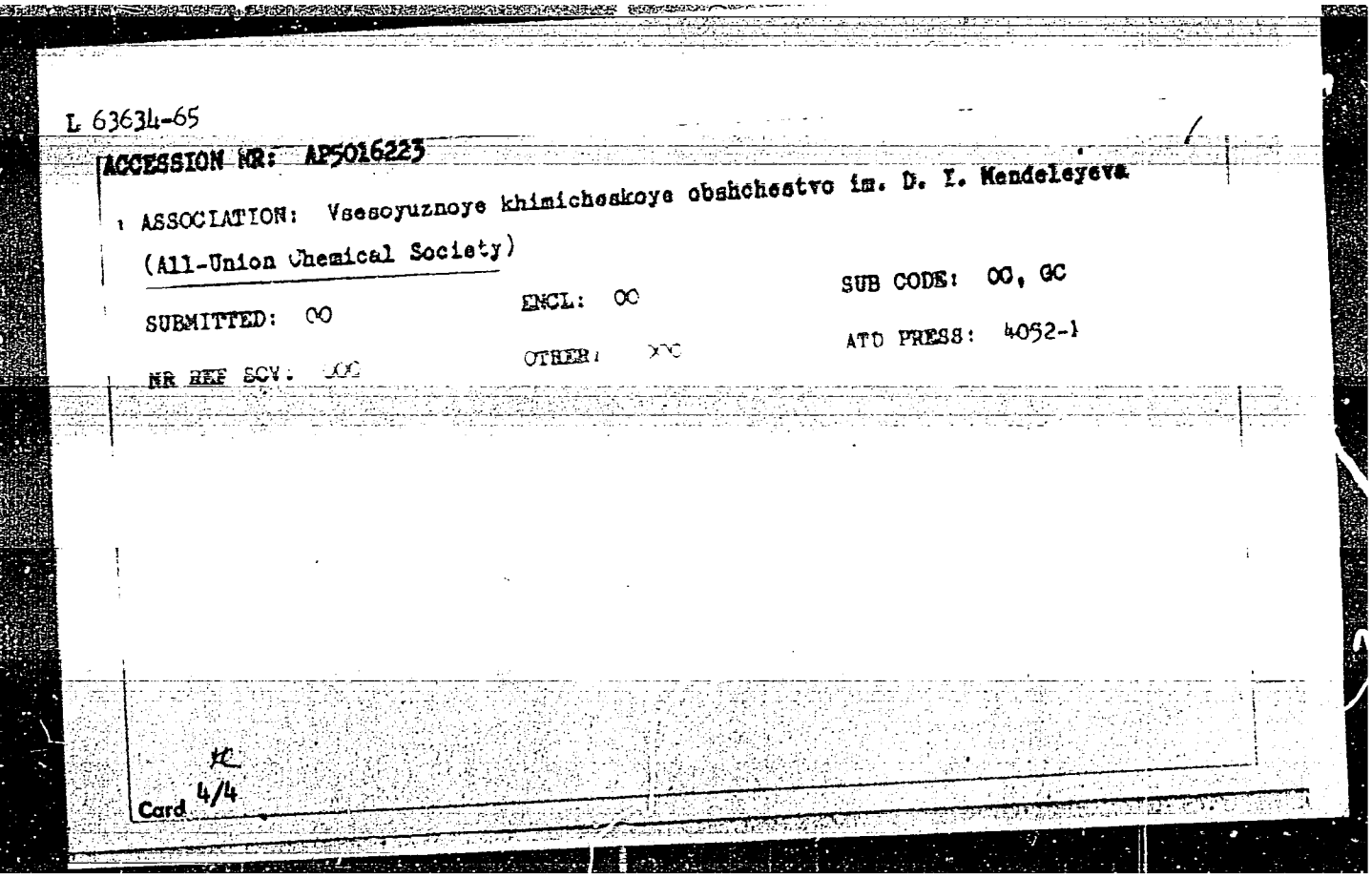

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ACCESSION NR: AP5016223

ASSOCIATION: Vsesoyuznoye khimicheskoye obshchestvo im. D. I. Mendeleyeva (All-Union Chemical Society)

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VOL'FKOVICH, S.I., akademik

Prospects for the development of the technology of mineral fertilizers. Zhur.VKHO 10 no.4:365-375 '65. (MIRA 18:11)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

TROSHINA, V.I.; [illegible], E.I.; VOL'FKOVICH, S.I., akademik

Lenin's marginal notes on Academician V.N.Ipat'ev's work "The possibility of establishing the manufacture of electrodes from Tsaokhansk graphite." Vest. AN SSSR 35 no.7:104-110 Jl '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, S.I.; IONASS, A.A.; REMEN, R.Ye.; SIDEL'KOVSKIY, L.N.; SHCHEVELEV, V.N.

Hydrothermal processing of phosphates from various deposits. Zhur. prikl. khim. 38 no.1:3-10 Ja '65. (MIRA 18:3)

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VOL'FKOVICH, S.I.; GILLER, M.Ye.; GOL'DERBITER, M.S.; JONASS, A.A.; KILOCHITSKIY, I.M.; REMEN, R.Ye.

Production of fodder and defluorinated fertilizer phosphate. Khim. prom. 41 no.1:18-22 Ja '65. (MIRA 18:3)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, S.I.; LORENTS, G.; ZHUKOVA, V.A.; SIDEL'KOVSKIY, L.N.; RUSSO, V.L.; YAGODINA, T.N.

Hydrothermal processing of phosphates in a fluidized bed. Khim.prom. 41 no.6:459-462 Je '65. (MIRA 18:8)

1. Nauchno-issledovatel'skiy institut po udobreniyam i insektofungisidam imeni Ya.V.Samoylova; Moskovskiy gosudarstvennyy universitet i Moskovskiy energeticheskiy institut.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, S.I., akademik; AZIYEV, R.G.

Thermal dissociation of calcium phosphate in a mixture with silica. Dokl. AN SSSR 162 no.6:1310-1313 Je '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, S.I., akademik

Founder of the Soviet school of agricultural chemistry; 100th anniversary of Academician Dmitrii Nikolaevich Prianishnikov's birth. Priroda 55 no.1:57-62 Ja '66. (MIRA 19:1)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, S.I.; LYKOV, M.V.; CHEREPANOVA, A.S.; KOZLOVA, Z.A.; POLIYEVKTOVA, E.G.

Production of potassium metaphosphate as a concentrated and complex fertilizer. Zhur.prikl.khim. 38 no.9:1897-1903 S '65. (MIRA 18:11)

1. Nauchnyy institut po udobreniyam i insektofungitsidam imeni Ya.V.Samoylova.

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L 04734-67 EWT(m)/EWP(j) IJP(c) DS/RM

ACC NR: AP6027010 (A) SOURCE CODE: UR/0080/66/039/005/1136/1140

AUTHOR: Bebikh, G. F.; Lin'kova, V. S.; Vol'fkovich, S. I.

37
B

ORG: Moscow State University im. M. V. Lomonosova (Moskovskiy gosudarstvennyy universitet)

TITLE: Phosphorylation of rubbers

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 5, 1966, 1136-1140

TOPIC TAGS: phosphorylation, synthetic rubber, butadiene styrene rubber, ion exchange resin, IR spectrum

ABSTRACT: The authors continued their studies on phosphorylation of rubbers to try to obtain stronger cationites with greater ion exchange capacity. Butadiene styrene SKS-30 and SKS-85, and butadiene nitrile SKN-18, SKN-26 and SKN-40, on phosphorylation with P_2S_5 gave phosphorus-containing materials melting well above 200°C, insoluble in organic solvents, acids and alkalis. The ion exchange capacity of these cationites (with the exception of SKS-85, which is only 1.04) is 6-7 mg equiv/gm. The position of the phosphono groups in the rubber macromolecules was established with the help of IR spectroscopy. The authors thank V. M. Shats for conducting tests (on the sorption of

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scandium by cationites based on SKS-30 and SKN-26). Orig. art. bas: 2 tables, 3 figures and 2 formulas.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, Ya.Ye.

Introduction of new power ratings and electric power distribution networks in industrial enterprises in the U.S.A. [illegible]
energ. 19 no.[illegible]-34 [illegible]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, Ya.Ye.

Frequency regulation of synchronized multiple-motor drives. Prom. energ. 20 no.9:33-35 S '65.

Use of lasers in industry. Ibid.:35-36 (MIRA 18:9)

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VOL'FKOVICH, Ya.Ye.

Synchronous machine with reciprocal motion. Prom.energ. 19 no.7:42-43 Jl '64. (MIRA 18:1)

Magnetoelectric device with contactless signaling arrangement for the automatic control of engineering processes. Ibid.:43

Static devices for regulating the operation of electric crane motors. Ibid.:43-44

Use of control computers in the equipment maintenance of industrial enterprises. Ibid.:44

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, Ya.Ye., inzh.

Construction of electric power transmission lines in the United States and Canada. Energ. stroi. no.42:94-96 '64. (MIRA 18:3)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, Ya.Ye.

Use of bare aluminum wires in supplying power to electrolytic tanks in aluminum plants. Prom. energ. 20 no.1:42-43 Ja '65.

Fluorescent and mercury lamps for industrial lighting systems. Ibid.:43-44

Prospects of the continued development of industrial lighting systems. Ibid.:44-45 (MIRA 18:4)

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VOL'FKOVICH, Ya.Ye.

Block system of contact welding apparatus. Prom. energ. 19 no.5:46-47 My '64.

Feeding of portable electrical equipment from an enclosed trolley line. Ibid.:47 (MIRA 17:6)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860430007-2

VOL'FKOVICH, Ya.Ye.

Trends in the consumption of electric power by [illegible]
United States. Prom.energ. 19 no. 2:47-48 F '64

Consumption of electric power by various industries in
Western Europe in 1963. Ibid. 49 (MIRA 17:5)

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VOL'FKOVICH, Ya.Ye.

Use of computers for statistical calculations and fault analysis in electrical networks. Prom. energ. 17 no.6:42 Je '62.

Monitoring the thermal load of electrical equipment. Ibid.:43 (MIRA 17:6)

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VOL'FKOVICH, Ya.Ye.

Consumption of electric power in the national economy of the German Federal Republic in 1962. Prom. energ. 19 no. 4:46 Ap '64. (MIRA 17:5)

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VOL'FKOVICH, Ya.Ye.

Lighting of control and measurement instruments assembling shops. Prom. energ. 18 no.11:51-52 N '63.

Start network containing rheostat and reactor elements for the electric drives of conveyors. 52

Injuries from electricity in Austria in 1961. 52-54 (MIRA 16:12)

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VOL'FKOVICH, Ya.Ye.

Accidents which occurred in work with the electrical systems of industrial enterprises in Great Britain for 1957 (from "Electrical Times," no.3489 1958, and no.3504 1959). Prom. energ. 15 no.8:49 Ag '60. (MIRA 15:1)
(Great Britain--Electricity, Injuries from)

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VOL'FKOVICH, Ya.Ye.

Contactless signaling device for the automatic control of mechanisms (from "ETZ-A," no.9, 1960). Prom.energ. 16 no.5:52-53 My '61. (MIRA 14:7)

(Germany, West—Magnetic instruments)
(Germany, West—Automatic control)

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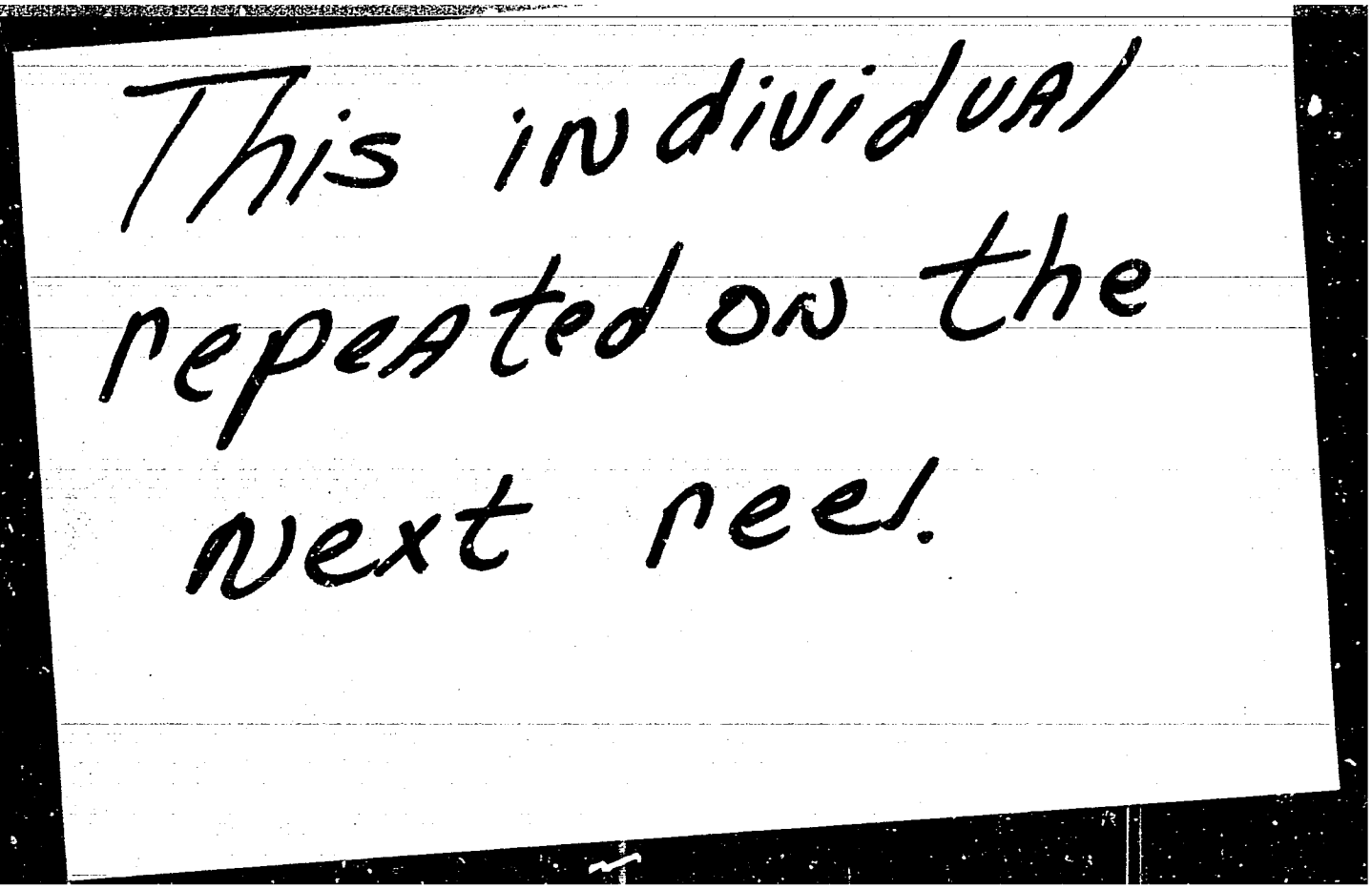

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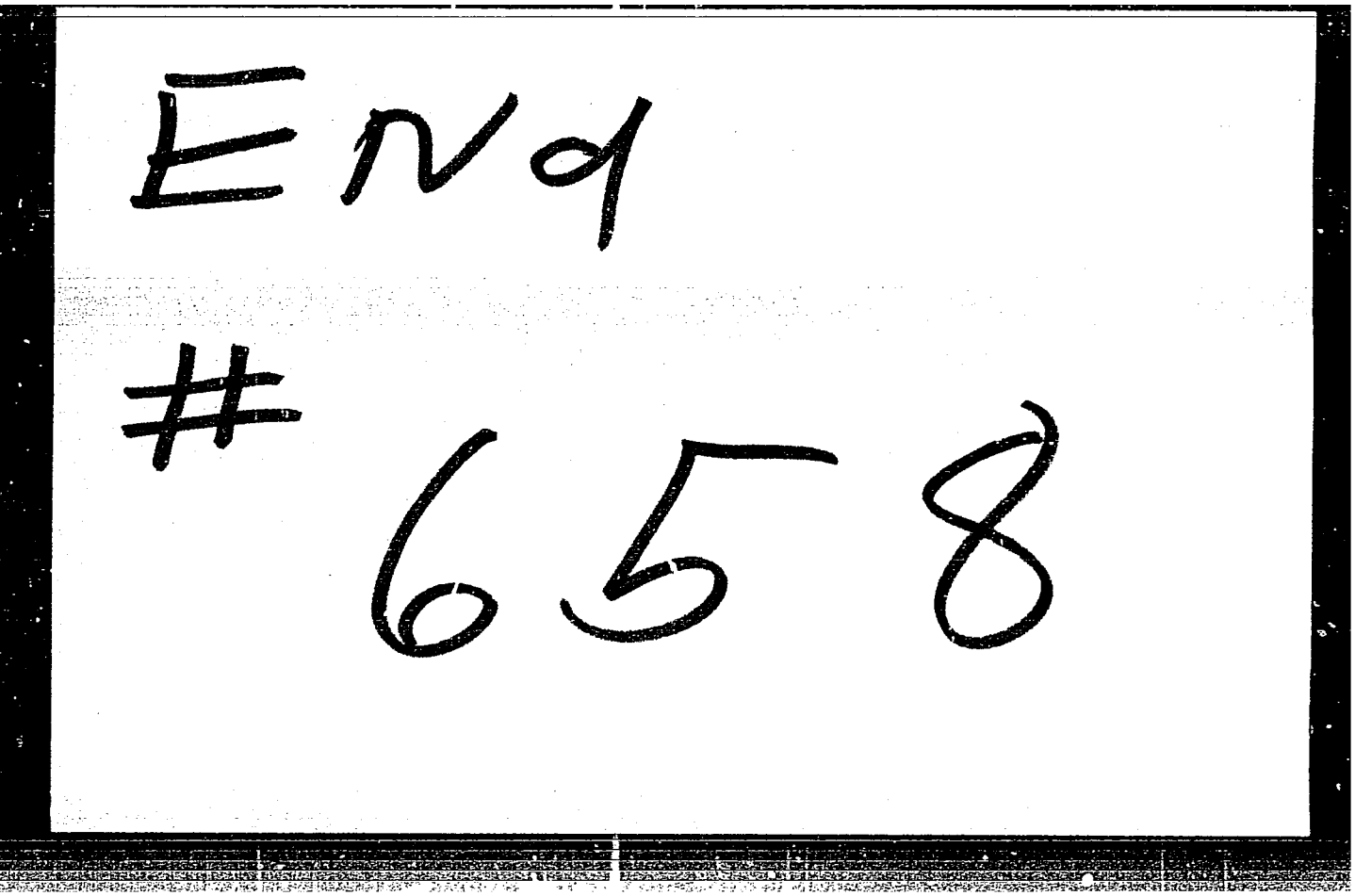

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